Static variable and method:

class EventResistration{

String name,nameOfEvent;

double resistFee;

EventResistration(String name,String nameOfEvent){

this.name=name;

this.nameOfEvent=nameOfEvent;

}

void resisterEvent(){

System.out.println("Your Resistration fees: "+ resistFee);

}

}

class SingleEventResister extends EventResistration{

int ParticipantNo;

SingleEventResister(String name,String nameOfEvent,int ParticipantNo){

super(name, nameOfEvent);

this.ParticipantNo=ParticipantNo;

}

void resisterEvent(){

if(nameOfEvent.equals("ShakeALeg")){

resistFee=100;

}

if(nameOfEvent.equals("Sing&Win")){

resistFee=150;

}

if(nameOfEvent.equals("PlayAway")){

resistFee=130;

}

super.resisterEvent();

}

}

class TeamEventResistration extends EventResistration{

int noOfParticipant,teamNo;

TeamEventResistration(String name,String nameOfEvent,int noOfParticipant,int teamNo){

super(name, nameOfEvent);

this.noOfParticipant=noOfParticipant;

this.teamNo=teamNo;

}

void resisterEvent(){

if(nameOfEvent.equals("ShakeALeg")){

resistFee=50\*noOfParticipant;

}

if(nameOfEvent.equals("Sing&Win")){

resistFee=60\*noOfParticipant;

}

if(nameOfEvent.equals("PlayAway")){

resistFee=100\*noOfParticipant;

}

if(nameOfEvent.equals("Actathon")){

resistFee=80\*noOfParticipant;

}

super.resisterEvent();

}

}

public class OverrideAndSuper {

public static void main(String[] args) {

SingleEventResister s1=new SingleEventResister("jenny", "Sing&Win", 1);

s1.resisterEvent();

System.out.println("You are participant no: "+ s1.ParticipantNo);

TeamEventResistration t1=new TeamEventResistration("Aura", "ShakeALeg", 5, 1);

t1.resisterEvent();

System.out.println("You are participant no: "+ s1.ParticipantNo);

}

}

/\* output

PS C:\Users\bhoir\OneDrive\Desktop\Info\_> javac OverrideAndSuper.java

PS C:\Users\bhoir\OneDrive\Desktop\Info\_> java OverrideAndSuper

Your Resistration fees: 150.0

You are participant no: 1

Your Resistration fees: 250.0

You are participant no: 1

\*/

With Static block

class Loan\_static2 {

private static int loanCounter;

static int AccountNo,CustNo,loan\_Duration;

static float interest,LoanAmt;

static{

loanCounter=100;

}

Loan\_static2(){

++loanCounter;

}

Loan\_static2(int accountNo,int custNo,float loanAmt,int loan\_duration,float Interest ){

loanCounter++;

AccountNo=accountNo;

CustNo=custNo;

LoanAmt=loanAmt;

interest=Interest;

}

static int getCustNo(){

return CustNo;

}

static int getLoanNo(){

return loanCounter;

}

static int getAccountNo(){

return AccountNo;

}

static float getLoanAmt(){

return LoanAmt;

}

static float getinterest(){

return interest;

}

static int getLoan\_Duration(){

return loan\_Duration;

}

static void setAccountNo(int accountNo){

AccountNo=accountNo;

}

static void setCustNo(int custNo){

CustNo=custNo;

}

static void setLoanAmt(float loanAmt){

LoanAmt=loanAmt;

}

static void setloan\_Duration(int loan\_duration){

loan\_Duration=loan\_duration;

}

static void setLoanNo(int loanNo){

loanCounter=loanNo;

}

static void setinterest(float Interest){

interest=Interest;

}

public static void main(String[] args) {

//Loan 1

Loan\_static2 l1=new Loan\_static2 ();

setCustNo(1);

setAccountNo(401);

setLoanNo(loanCounter);

setinterest(200.55f);

setLoanAmt(50000.00f);

setloan\_Duration(1);

System.out.println("Customer No: "+ CustNo);

System.out.println("Account No: "+ AccountNo);

System.out.println("Loan Amt: "+ LoanAmt);

System.out.println("Interest Amt: "+ interest);

System.out.println("Loan Duration: "+ loan\_Duration);

System.out.println();

//Loan 2

Loan\_static2 l2=new Loan\_static2(2, 402, 50000.755f, 2, 500.30f);

System.out.println("Customer No: "+ CustNo);

System.out.println("Account No: "+ AccountNo);

System.out.println("Loan Amt: "+ LoanAmt);

System.out.println("Interest Amt: "+ interest);

System.out.println("Loan Duration: "+ loan\_Duration);

System.out.println();

System.out.println("Total Number of Loans: "+ loanCounter);

}

}

/\*

PS C:\Users\bhoir\OneDrive\Desktop\Info\_> javac .\Loan\_static2.java

PS C:\Users\bhoir\OneDrive\Desktop\Info\_> java Loan\_static2

Customer No: 1

Account No: 401

Loan Amt: 50000.0

Interest Amt: 200.55

Loan Duration: 1

Customer No: 402

Account No: 2

Loan Amt: 50000.754

Interest Amt: 500.3

Loan Duration: 1

Total Number of Loans: 102

\*/